

SCALE DRAWINGS

Your goal is to measure 13 objects in our classroom and draw a scale drawing of the room. The scale drawing will be a top-view or a footprint of our classroom.

Measure the following items in the room. Remember you are measuring in feet, but using a yard stick...be careful! Measure objects to the nearest half foot.

DAY 1: With a partner, get all the objects measured, set up a proportion and solve for scale drawings.

DAY 2: Individually, draw a scale drawing of the classroom, with all objects labeled.

Object:	Length Proportion: $\frac{\frac{1}{4} \text{ in}}{1 \text{ ft}} = \frac{\text{in.}}{\text{ft}}$	If needed Width Proportion: $\frac{\frac{1}{4} \text{ in}}{1 \text{ ft}} = \frac{\text{in.}}{\text{ft}}$	NEW LENGTH MEASUREMENT	NEW WIDTH MEASUREMENT
1. Black cabinet behind teacher desk	3 ft	2 ft		
2. Student desks (Do you think you need to measure each desk?)	2.5 ft	2 ft		
3. Teacher desk	5 ft	2.5 ft		
4. Computer table	5 ft	2 ft		

5. Missing work table	2 ft	2 ft		
6. Table with turn-in baskets	5 ft	2 ft		
7. Octagon Table	3.5 ft	3.5 ft		
8. Front wall	26 ft			
9. Back wall	41 ft			
10. North wall (Assume this wall continues straight and connects to the front wall)	22 ft			
11. South wall	27 ft			
12. Windows	5.5 ft			
13. Door to Mrs. Van Lith's room	3 ft			